



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

2121
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Applicant: Joseph G. Marcinkiewicz

Examiner: Thomas K. Pham

Serial No.: 09/738,467

Group Art Unit: 2121

Filed: December 15, 2000

Docket: K315.106.101

Title: BRUSHLESS MACHINE CONTROL

REQUEST FOR RECONSIDERATION

RECEIVED

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

JUN 01 2004

Technology Center 2100

Sir:

Reconsideration of the February 23, 2004 Office Action is requested. The Office Action rejected claims 1-3 and 23-24 under 35 U.S.C. § 102(e) over Nygren (U.S. Patent No. 6,525,504) and claims 4-22 under 35 U.S.C. 103(a) over Nygren in view of Lovett (U.S. Patent No. 6,225,767). Applicant respectfully traverses these rejections.

Nygren - No Phase Winding Arranged to Establish Flux

Independent claims 1, 4 and 24 recite at least one phase winding arranged to establish flux in a magnetic circuit in the claimed electrical machine. Note, for example, claim 1, line 4, claim 4, lines 2-3, and claim 24, lines 4-5. Independent claim 23 also recites at least one phase winding with flux-causing voltage across it. Note, for example, claim 23, lines 2-4. Nygren fails to teach or suggest a winding that is both a flux-establishing winding and a phase winding, contrary to what is claimed.

Nygren discloses a high voltage synchronous machine that has phase windings (armature windings 29) on the stator and field windings on the brushless rotor. The phase windings in Nygren, however, do *not* establish flux. Instead, they carry current induced by the rotating